

OVERHEAD CABLE

ABSTRACT OF THE DISCLOSURE

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An overhead cable designed to reduce the wind load acting upon the overhead cable in the lower wind speed zone even in a cable having a relatively small diameter, provided with twisted steel strands 1 serving as the

10 tension-bearing core, aluminum strands 2 serving as a conductive layer arranged at the outer circumference of the twisted steel strands 1, and an outermost layer arranged at the outer circumference of the aluminum strands 2, constituted by twisting together a plurality

15 of adjoining segment strands 3, and provided with a spiral groove  $Tr$  along the longitudinal direction in the outer circumferential surface region of each boundary portion of adjoining segment strands 3, wherein in the contour of the cross-section of this outermost layer,

20 each groove  $Tr$  is comprised by an arc-shaped curve having a radius  $R$  centered around a vertex  $Ap$  of the regular polygon, and each part between adjoining grooves  $Tr$  is comprised by an arc-shaped curve which is concave with respect to a straight line connecting adjoining vertexes

25  $Ap$  of the regular polygon and intersects the arc-shaped

curve having the radius R.